

Thermal Resistance Test Report

Date: 2021/09/23

Engineer: Ken



Test Condition

Heat Flux	Pressure	Test Duration	Ambient Temp	Convection
125 Watts	28lbf /12.7kgf	15minutes	45°C	Natural Convection

Test Data

Sample	Tc (°C)	Ta (°C)	Fan Speed (RPM)	F (kgf)	Q (W)	R (°C/W)
1	67.10	45.90	7740	12.71	125	0.170

Test Result

Q (W)	Tc (°C)	R (°C/W)
125	67.10	0.170

Part Number:

RGD3229G-60-002

Description:

2U CPU COOLER FOR INTEL

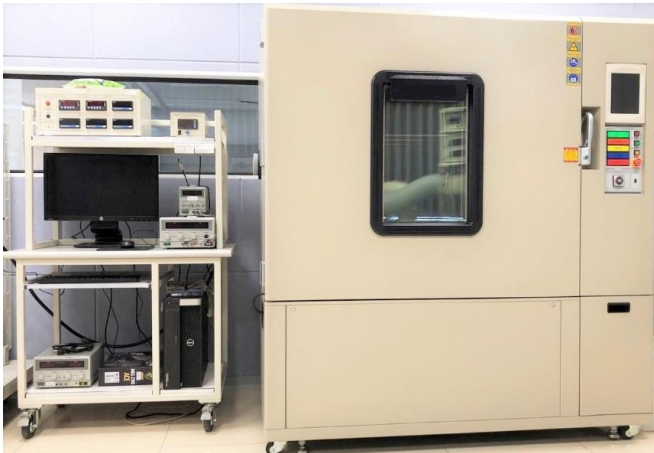
SOCKET LGA1700

PROCESSORS

Thermal Resistance Test Report



NATURAL CONVECTION



CIRCULATING CONVECTION

- CPU Cooler Thermal Resistance Measurement Apparatus with Natural Convection Chamber ,4 sets of 650 watts Infrared Radiation Heaters.
- Operating Temperature : Room Temperature ~ 70°C
- CPU Cooler Thermal Resistance Measurement Apparatus with Programmable temperature and humidity chamber, Through a mechanical circulation system, using fans and heating coils.
- Operating Temperature : -40°C ~ 150°C

Compression Force Test Report

Date: 2022/10/11

Engineer: Vic



Part Number:

RGD3229G-60-002

Description:

2U CPU COOLER FOR INTEL SOCKET

LGA1700 PROCESSORS

Test Criterion

Total Force of CPU Cooler		
Typical	Maximum	Minimum
44.45 lbf	48.9 lbf	40.01 lbf

Test Condition

PCB Thickness	CPU Height (about PCB)
1.6mm	7.05mm

Test Data

Sample	Compression Force
1	43.6 lbf
2	44.0 lbf
3	43.1 lbf
AVG	43.57 lbf

Test Result

Pass	Compression Force of CPU Cooler = 43.57 lbf
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Compression Force Test Report

CPU Cooler Press Load Apparatus



- The universal clip force measuring device is a tool for measuring the clip holding force for the clip on the CPU Cooler.
- Measuring pressure range 0~220lbf,: accuracy 0.1%FS